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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/772,962	02/05/2004	Yuri Goldstein	PCTEL-025	5295
7590 05/30/2007 Gordon & Jacobson, P.C.			EXAMINER	
65 Woods End Road			ZHENG, EVA Y	
Stamford, CT	06905		ART UNIT	PAPER NUMBER
			2611	
			MAIL DATE	DELIVERY MODE
			05/30/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
•	10/772,962	GOLDSTEIN ET AL.			
Office Action Summary	Examiner	Art Unit			
	Eva Yi Zheng	2611			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b):	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status	•	•			
2a) ☐ This action is FINAL . 2b) ☐ This 3) ☐ Since this application is in condition for allowant	This action is FINAL . 2b) This action is non-final.				
Disposition of Claims					
4) ⊠ Claim(s) 1-42 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ⊠ Claim(s) 28-42 is/are allowed. 6) □ Claim(s) is/are rejected. 7) ⊠ Claim(s) 1-27 is/are objected to. 8) □ Claim(s) are subject to restriction and/or					
Application Papers					
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 2/5/04 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) ☐ Interview Summary Paper No(s)/Mail Da				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P				

DETAILED ACTION

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Claim Objections

- Claims 1 and 18 are objected to because of the following informalities:
 On line 13 and 12 in claims 1 and 18, respectively, please change "said N symbols" to said N consecutive symbols for claim language clarification and consistency.
- Claim 4 is objected to because of the following informalities:
 On line 1, please change recitation "claim 1" to claim 3 --, so as to provide antecedent basis for "the delay means".

Appropriate correction is required.

Allowable Subject Matter

- 2. Claims 1-27 would be allowable if rewritten to overcome the objections, set forth in this Office action.
- 3. Claims 28-42 are allowed.
- 4. The following is an examiner's statement of reasons for allowance:

None of the prior art teaches or suggests a three symbol noncoherent M-ary

DPSK demodulator in a communication system, wherein comprises storing quadrature
components; transforming quadrature components using each possible phase
difference and for each possible combination of phase differences; obtaining sets of 3
symbol quadurate components; finding a vector having a maximum length of vector
based on 3 symbol quadurate components; and making a decision relative the current

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symbol based on a phase difference of a set of differences corresponding to vector having a maximum length.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. This application is in condition for allowance except for the following formal matters:

See description above.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eva Y Zheng whose telephone number is 571-272-3049. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eva Yi Zheng Examiner Art Unit 2611

May 18, 2007

CHIEH M. FAN SUPERVISORY PATENT EXAMINER